

Claims

1. A method of recovering a liquid medium which comprises compulsorily contacting the liquid medium with a gas to vaporize the liquid medium, and condensing the vaporized medium.
2. The recovering method according to Claim 1, wherein a gas separated from the medium by condensation is used as the gas to be compulsorily contacted with the liquid medium.
3. The recovering method according to Claim 1 or 2, wherein vaporization is carried out at a temperature of the boiling point or lower of the liquid medium when the liquid medium is vaporized.
4. A recovering system of a liquid medium which comprises a vaporizing portion in which a gas is compulsorily contacted with the liquid medium to vaporize the medium, and a condensing portion in which the vaporized medium at the vaporized portion is condensed.
5. A recovering system of a liquid medium which comprises a vaporizing portion in which a gas is compulsorily contacted with the liquid medium to vaporize the liquid medium, a condensing portion in which the vaporized medium at the vaporizing portion is condensed and a separated gas feeding portion in which a separated gas separated by condensation at the condensing portion is fed to the vaporizing portion as a gas to compulsorily contact with the liquid medium.
6. A recovering system of a liquid medium which comprises: a vaporizing means for vaporizing a liquid medium by contacting a gas to a mixed liquid containing a liquid medium and a non-volatile substance(s),

a condensing and separating means for separating the condensed medium and a separated gas by cooling the gas and the vaporized medium fed from the above-mentioned vaporizing means, and

5 a gas feeding means for feeding the separated gas to the vaporizing means as the gas.

7. The liquid medium recovering system according to Claim 6, wherein the condensing and separating means comprises a 10 first condensing means for condensing the vaporized medium by cooling, and a second condensing means for condensing the vaporized medium passed through the first condensing means by further cooling.

15 8. The liquid medium recovering system according to Claim 6, which further comprises a temperature-maintaining and heating means of the vaporizing means.

9. The liquid medium recovering system according to Claim 20 6 or 7, which further comprises a supplying means for feeding the vaporized medium generated by the vaporizing means to the vaporizing means as the gas.

10. The liquid medium recovering system according to Claim 25 8, which further comprises a supplying means for feeding the vaporized medium generated by the vaporizing means to the vaporizing means as the gas.

11. The liquid medium recovering system according to 30 Claims 6 or 7, wherein the vaporizing means is to vaporize the medium by blowing the gas to the liquid medium and to simultaneously concentrate the mixed liquid containing the liquid medium.

35 12. The liquid medium recovering system according to Claim 8, wherein the vaporizing means is to vaporize the

medium by blowing the gas to the liquid medium and to simultaneously concentrate the mixed liquid containing the liquid medium.

- 5 13. The liquid medium recovering system according to Claim 9, wherein the vaporizing means is to vaporize the medium by blowing the gas to the liquid medium and to simultaneously concentrate the mixed liquid containing the liquid medium.